

Title (en)
SHEET PRODUCT DISPENSER

Title (de)
TUCHSPENDER

Title (fr)
DISTRIBUTEUR DE PRODUIT EN FEUILLES

Publication
EP 3873312 A4 20220525 (EN)

Application
EP 18938836 A 20181031

Priority
US 2018058560 W 20181031

Abstract (en)
[origin: WO2020091772A1] A dispenser comprising a body, a dispensing device having an orifice, a gate configured to move between a first position and a second position with respect to the orifice, a biasing device to bias the gate towards the first position, and a dampener coupled to the gate and configured to impede the biasing device from biasing the gate towards the first position to delay, in time, the gate from moving from the second position to the first position; and wherein in the first position the gate engages the sheets passing through the orifice with enough force to break a perforation separating two contiguous sheets of the series to cause single sheet dispensing; and the delay allows multiple sheets of the series of interconnected sheets to pass through the orifice, when pulled at a given rate, before the gate moves from the second position to the first position.

IPC 8 full level
A47K 10/36 (2006.01); **A47K 10/38** (2006.01)

CPC (source: EP KR US)
A47K 10/3631 (2013.01 - KR); **A47K 10/38** (2013.01 - KR); **A47K 10/3818** (2013.01 - EP); **A47K 10/3836** (2013.01 - US); **B65H 16/005** (2013.01 - EP); **B65H 35/10** (2013.01 - EP); **A47K 2010/3206** (2013.01 - EP); **A47K 2010/3233** (2013.01 - EP); **A47K 2010/324** (2013.01 - EP); **A47K 2010/3266** (2013.01 - EP); **A47K 2010/3881** (2013.01 - EP KR US); **B65H 2513/51** (2013.01 - EP); **B65H 2701/1924** (2013.01 - EP)

Citation (search report)

- [I] US 2009045211 A1 20090219 - FRIESEN MATTHEW [CA], et al
- [A] US 2013043266 A1 20130221 - HAGLEITNER HANS GEORG [AT]
- See also references of WO 2020091772A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2020091772 A1 20200507; AU 2018448012 A1 20210610; BR 112021007080 A2 20210720; BR 112021007080 B1 20230502; CA 3117655 A1 20200507; CN 112911978 A 20210604; CN 112911978 B 20230630; CO 2021006966 A2 20210819; EP 3873312 A1 20210908; EP 3873312 A4 20220525; KR 102586796 B1 20231011; KR 20210069114 A 20210610; US 11659966 B2 20230530; US 2021315427 A1 20211014

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